

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/KR03/00639

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7 H04Q 7/20

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 H04Q7/20

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean Patents and applications for inventions since 1975

Korean Utility models and applications for Utility models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

Korean Patent and Utility model search system

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1021056 A1 (LUCENT TECHNOLOGIES, INC) 19.JUL.2000 see the whole document	1
A	WO 00/10294 A2 (PHONE.COM, INC) 24.FEB.2000 see the whole document	1
A	KR 2001-84294 A (HYNIX SEMICONDUCTOR, INC) 6.SEP.2001 see the whole document	1
A	KR1998-35956 A (ELECTRONICS & TELECOMMUNICATIONS RESEARCH INSTITUTE) 5.AUG.1998 see the whole document	1

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family
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Date of the actual completion of the international search  15 JULY 2003 (15.07.2003)	Date of mailing of the international search report  21 JULY 2003 (21.07.2003)
Name and mailing address of the ISA/KR  Korean Intellectual Property Office 920 Dunsan-dong, Seo-gu, Daejeon 302-701, Republic of Korea  Facsimile No. 82-42-472-7140	Authorized officer  JEONG, Hae Kon  Telephone No. 82-42-481-5986



**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

International application No.  
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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 1021056 A1	19.JUL.2000	US 6389298 B1 JP 2000217160 A2 DE 60002614 C0 CN 1260647 A BR 0000834 A AU 0010120 A5 KR 2000-53433 A	14.05.2002 04.08.2000 18.06.2003 19.07.2000 26.09.2000 13.07.2000 25.08.2000
WO 00/10294 A2	24.FEB.2000	US 6507589 JP 2002523924 T2 EP1029420 A2 CN 1275292 T	14.01.2003 30.07.2002 23.08.2000 29.11.2000
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